

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07977/097002/US3176D1	Application No. 09/304,975
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant <b>Hongyong Zhang</b>	
		Filing Date May 3, 1999	Group Art Unit 2811

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>PS</i>	AL	61-048894	3/10/86	Japan				X
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature <i>John Horner</i>	Date Considered 12/15/01
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

APPLICANT:  
Hongyong Zhang

FILING DATE  
December 10, 1996

GROUP ART UNIT  
1109

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 1 4 7 8 2 6	9/15/92	Liu et al.	437	233	
	5 2 7 5 8 5 1	1/4/94	Fonash et al.	427	578	
	AA 5 4 0 3 7 7 2	4/4/95	Zhang et al.	437	101	
	AB 5 4 2 6 0 6 4	6/20/95	Zhang et al.	437	40	
	AC 5 4 8 1 1 2 1	1/2/96	Zhang et al.	257	64	
	AD 5 4 8 8 0 0 0	1/30/96	Zhang et al.	437	21	
	AE 5 4 9 2 8 4 3	2/20/96	Adachi et al.	437	21	
	AF 5 5 0 1 9 8 9	3/26/96	Takayama et al.	257	64	
	AG 5 5 0 8 5 3 3	4/16/96	Takemura	437	10	
	AH 5 5 2 9 9 3 7	6/25/96	Zhang et al.	257	72	
	AI 5 5 3 4 7 1 6	7/9/96	Takemura	437	101	
	AJ 5 5 4 3 3 5 2	8/6/96	Ohtani et al.	257	66	
	AK 5 5 6 3 4 2 6	10/8/96	Zhang et al.	437	21	
	AL 5 5 6 9 6 1 0	10/29/96	Zhang et al.	257	66	
	AM 5 5 6 9 9 3 6	10/29/96	Zhang et al.	437	10	
	AN 5 5 8 0 7 9 2	12/3/96	Zhang et al.	437	40	
	AO 5 5 8 5 2 9 1	12/17/96	Ohtani et al.	257	67	
	AP 5 5 8 9 6 9 4	12/31/96	Takayama et al.	437	41	
	AQ 5 5 9 5 9 2 3	1/21/97	Zhang et al.	437	41	
	AR 5 5 9 5 9 4 4	1/21/97	Zhang et al.	257	72	
	AS 5 6 0 4 3 6 0	2/18/97	Zhang et al.	437	21	
	AT 5 6 0 5 8 4 6	2/25/97	Ohtani et al.	257	59	
	AU 5 6 0 6 1 7 9	2/25/97	Yamazaki et al.	257	66	
	AV 5 6 0 8 2 3 2	3/4/97	Yamazaki et al.	437	101	
	AW 5 6 1 2 2 5 0	3/18/97	Ohtani et al.	437	40	
	AX 5 6 1 4 4 2 6	3/25/97	Funada et al.	257	66	
	AY 5 6 1 4 7 3 3	3/35/97	Zhang et al.	438	150	
	AZ 5 6 1 6 5 0 6	4/1/97	Takemura	438	151	
	5 6 2 0 9 1 0	4/15/97	Teramoto	257	66	
	BA 5 6 2 1 2 2 4	4/15/97	Yamazaki et al.	438	166	
	BB 5 6 2 4 8 5 1	4/29/97	Takayama et al.	438	162	
	BC 5 6 3 7 5 1 5	6/10/97	Takemura	437	228	
	BD 5 6 3 9 6 9 8	6/17/97	Yamazaki et al.	437	88	
	BE 5 6 4 3 8 2 6	7/1/97	Ohtani et al.			

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03/12/01

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
PN	AA	4,996,523	2/26/91	Bell, et al.			
	AB	5,550,066	8/27/96	Tang, et al.			
	AC	5,640,067	6/17/97	Yamauchi, et al.			
	AD	5,684,365	11/4/97	Tang, et al.			
	AE	5,786,796	7/28/98	Takayama, et al.			
	AF	5,821,560	10/13/98	Arai et al.			
	AG	5,828,429	10/27/98	Takemura			
	AH	6,023,308	2/8/00	Takemura			
	AI						
	AJ						
	AK						

## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
PN	AL	EP 0 717 445	6/19/96	Tang, et al.				
	AM							
	AN							
	AO							
	AP							

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature <i>F. H. A. R. A. H.</i>	Date Considered 12/18/01
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## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>FS</i>	AA	5,696,003	12/9/97	Makita, et al.			
<i>↓</i>	AB	5,821,562	10/13/98	Makita, et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
<i>AN</i>	AL	7-297125	11/10/95	Japan			Abstract only	
	AM							
	AN							
	AO							
	AP							

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